

Attorney Docket No.: PENN-0708  
Inventors: Greene et al.  
Serial No.: 09/624,946  
Filing Date: July 25, 2000  
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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-4. (previously canceled)

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Claim 5. (currently amended): A system for quantifying molecules expressing a selected epitope comprising:

D' (a) a selected surface on which a molecule expressing a selected epitope is or can be immobilized; and

(b) an epitope detector consisting of a single ~~heavy or light~~ chain Fv for the selected epitope or a constrained epitope specific CDR either of which have been modified to allow for attachment of oligonucleotides; and

c) an oligonucleotide attached to the single chain Fv or the constrained epitope specific CDR which is amplified and quantified by an aRNA technique.

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Claim 6. (original): The system of claim 5 further comprising an epitope anchor for immobilizing the molecule to the selected surface, said epitope anchor being specific for the selected epitope.

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Claim 7. (previously amended): The system of claim 5 wherein the epitope detector is a universal epitope detector which detects a general epitope.

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D<sup>2</sup>  
Claim 8. (currently amended): A kit for quantifying molecules expressing a selected epitope comprising an epitope detector consisting of a single ~~heavy chain or light chain~~ Fv for a selected epitope attached to an oligonucleotide or a constrained epitope specific CDR attached to an oligonucleotide.

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Claim 9. (original): The kit of claim 8 further comprising an epitope anchor specific for the selected epitope.

Claim 10. (original): The kit of claim 8 wherein the single chain Fv or the constrained epitope specific CDR have been modified for attachment of oligonucleotides.

Claim 11. (original): The kit of claim 8 wherein the epitope detector comprises a universal epitope detector which detects a general epitope.